Title (en)
METHOD AND APPARATUS FOR IMPLEMENTING VIRTUAL SENSOR IN ELECTRONIC DEVICE

Title (de)
VERFAHREN UND VORRICHTUNG ZUR IMPLEMENTIERUNG EINES VIRTUELLEN SENSORS IN EINER ELEKTRONISCHEN VORRICHTUNG

Title (fr)
PROCÉDÉ ET APPAREIL DE MISE EN OEUVRE DE CAPTEUR VIRTUEL DANS UN DISPOSITIF ÉLECTRONIQUE

Publication
EP 4280066 A1 20231122 (EN)

Application
EP 22796231 A 20220502

Priority
• KR 20210056559 A 20210430
• KR 2022006242 W 20220502

Abstract (en)
Embodiments of the disclosure disclose a method and an apparatus for implementing a virtual sensor (for example, a virtual thermistor) for checking temperature (or heating) of an electronic device by the electronic device. An electronic device according to various embodiments includes a plurality of electronic components mounted into the electronic device, and a processor operatively connected to the electronic components, wherein the processor is configured to classify a prediction area according to predetermined characteristics, configure a virtual thermistor corresponding to the prediction area, based on the classification characteristic of the prediction area, collect information on at least one prediction area, based on the virtual thermistor, and manage heating of the electronic device, based on the collected information. Various embodiments are possible.

IPC 8 full level
G06F 11/30 (2006.01); **G06F 1/16** (2006.01); **G06F 1/20** (2006.01)

CPC (source: EP KR US)
G01K 7/24 (2013.01 - US); **G01K 7/42** (2013.01 - EP); **G01K 7/425** (2013.01 - EP US); **G06F 1/1626** (2013.01 - EP); **G06F 1/1684** (2013.01 - KR); **G06F 1/203** (2013.01 - EP); **G06F 1/206** (2013.01 - EP KR); **G06F 11/30** (2013.01 - EP); **G06F 11/3058** (2013.01 - KR); **G06F 11/3089** (2013.01 - KR); G01K 2003/145 (2013.01 - EP); G01K 2213/00 (2013.01 - US); G01K 2217/00 (2013.01 - EP US); H04M 2250/12 (2013.01 - KR)

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)
BA ME

Designated validation state (EPC)
KH MA MD TN

DOCDB simple family (publication)
US 2022397463 A1 20221215; EP 4280066 A1 20231122; EP 4280066 A4 20240717; KR 20220149221 A 20221108; WO 2022231399 A1 20221103

DOCDB simple family (application)
US 202217819998 A 20220816; EP 22796231 A 20220502; KR 20210056559 A 20210430; KR 2022006242 W 20220502